



Surge Protective Device

PP80 Series
Battery Backup

Technical Documentation



ACCESSORY SOLD SEPARATELY

Advanced line interactive power protection for servers and network equipment. The PP80 is a pure sine wave line interactive UPS that protects critical data and equipment from power problems while supplying clean and reliable network grade power. PP80 units are the highest efficiency available, providing utility cost savings at all load levels. PP80 design provides flexible mounting including tower, rack, or optional wall mounting.

Key Specs

- Pure sine wave output
- Tower, wall, 2-post and 4-post rack mounting configurations available.

Features

- Auto restart
- 99% efficient operation
- Smart LCD display
- Programmable receptacle group
- Temperature compensation
- Hot swappable battery

MODEL NUMBER		PP80-800	PP80-1100	PP80-1500	PP80-2000	PP80-2200	PP80-3000 (V2)
CAPACITY	Power rating	800VA (720W)	1100VA (990W)	1500VA (1350W)	2000VA (1800W)	2200VA (2000W)	3000VA (2700W)
INPUT	Voltage nominal	120VAC					
	Voltage range	-32% to +27% without use of battery					
	Frequency	50/60Hz auto-sensing					
OUTPUT	Voltage	120VAC nominal (110/115/127 selectable)					
	Waveform	Pure sine wave					
	Transfer time (typical)	2-6ms					
	Efficiency	Up to 99% ECO mode, 95% buck and boost mode					
	Harmonic distortion	2% @ 100% linear load; 5% @ 100% non-linear load					
	BATTERY	Battery type	Sealed, maintenance-free lead acid				
Battery quantity/size		(2) 12V 7AH	(2) 12V 9AH	(4) 12V 7AH	(4) 12V 9AH	(6) 12V 7AH	(6) 12V 9AH
Charging current		1.5A max					
Typical recharge		4 hours to 90%					
PHYSICAL	Dimensions (W x D x H)	17.2 x 15.1 x 3.5 in		17.2 x 18.9 x 3.5 in		17.2 x 23.6 x 3.5 in	
	Weight	29.3 lbs	30.5 lbs	44.7 lbs	47.4 lbs	61.7 lbs	67.1 lbs
	Line cord	6 ft, 5-15P	6 ft, 5-15P	6 ft, 5-15P	6 ft, 5-20P	6 ft, 5-20P	6 ft, L5-30P
	Receptacles	(8) NEMA 5-15R			(8) NEMA 5-15/20R		(8) 5-15/20R or (6) 5-15/20R + L5-30R (V2)
OPTIONAL BATTERY PACKS	Model number	N/A		P90-BP48		P90-BP72	
	Dimensions (W x D x H)	N/A		17.2 x 18.9 x 3.5 in		17.2 x 23.6 x 3.5 in	
	Weight	N/A		74.6 lbs		104.4 lbs	
	Battery	N/A		(8) 12V 9AH / 48V		(12) 12V 9AH / 72V	
ENVIRONMENT	Operating temperature	32-104°F (0-40°C)					
	Audible noise	< 45dBA					
	Altitude	11,500 ft above sea level					
APPROVALS	UL, cUL, RoHS						
WARRANTY	3 years electronics, 3 years battery warranty (USA and Canada)						
COMMUNICATIONS INTERFACE	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)						
INCLUDED IN BOX	Software CD, horizontal brackets, tower pedestals, user manual						
AVAILABLE OPTIONS	5 year extended warranty, bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit, wall mount bracket						

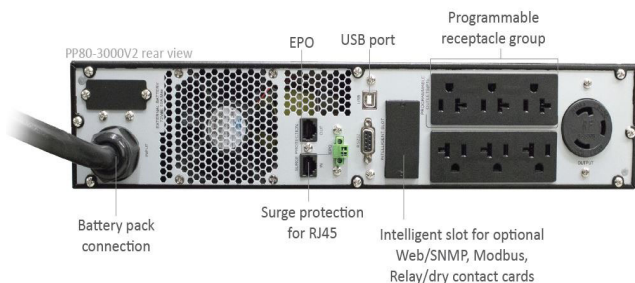
Rack depth is front bracket to unit panel. Add 1" for depth including front bezel.

Ordering Information

MODEL

Capacity - Power Rating

PP80-800	800VA (720W)
PP80-1100	1100VA (990W)
PP80-1500	1500VA (1350W)
PP80-2000	2000VA (1800W)
PP80-2200	2200VA (2000W)
PP80-3000 (V2)	3000VA (2700W)



BATTERY RUNTIMES

Percentage load:	Internal batteries				(1) Battery pack				(2) Battery packs			
	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
PP80-800	29	11	6	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PP80-1100	26	11	5	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PP80-1500	31	12	6	4	124	53	31	22	216	102	61	42
PP80-2000	30	12	6	4	119	50	30	20	211	97	58	40
PP80-2200	32	12	6	4	125	54	32	22	219	104	62	43
PP80-3000(V2)	30	12	6	4	119	50	30	20	211	97	58	40

Maximum of two battery packs per PP80-1500, PP80-2000, or PP80-3000(V2). Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.

ACCESSORIES

Battery Packs	PP90-BP48	48V Battery Pack
Battery Packs	PP90-BP72	72V Battery Pack
Mounting Kits	PP90-RAIL	4-Post Rail Kit
Mounting Kits	PXPC-2PRAIL	2-Post Rail Kit
Mounting Kits	PXPC-2POSTL	2-Post Shelf Kit
Mounting Kits	PP90-WMB	Wall Mount Bracket
Mounting Kits	PP90-FRMB	Front Rackmount Bracket
Connectivity Modules		
Bypass Distribution Modules		
Power Distribution Units		

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